

[IMPROVED ILLUMINATION FOR COAXIAL VARIABLE SPOT HEADLIGHT]

Abstract

A surgical headlight that includes a small housing containing an LED white light source and light transmission elements including a fiber optic rod and lenses. The headlight housing is attached to a device worn by a surgeon. The LED provides a high intensity, light weight light source that can be varied in intensity through the power supply. Using the present invention, a very high intense illumination source of white light is achieved in a small housing for illuminating a surgical area.